

DC POWER OPTIONS FOR DEMANDING JOBS

Genie's efficient DC machines offer quiet, emission-free operation in the most sensitive work environments. For industrial applications where the machine must be driven significant distances, the Genie bi-energy system combines the benefits of a 48V DC machine with the versatility of a diesel-powered generator. These units handle challenging jobs all day long, giving you the power to get where you need to go quickly and easily with soft-riding pneumatic tires, excellent maneuverability and zero tailswing. Optional non-marking air- and foam-filled tires also make these models great for industrial applications. Working heights range from 40 ft 6 in (12.52 m) to 51 ft 9 in (15.94 m).



POWER WHEN YOU NEED IT

Lift, maneuver and travel all day with the bi-energy model. The on-board diesel-powered generator acts like a 100 amp battery charger to provide enough electrical power to operate all boom functions, even when the batteries are fully discharged.

Multiple power options meet the demands of a variety of indoor and outdoor applications.



PRECISE POSITIONING AND CONTROL

The self-leveling platform rotates 90° to either side on non-jib models. On jib models, the jib moves 135° to 139° vertically, depending on the model, and rotates 80° to either side. Proportional lift and drive controls allow you to determine the speed of each function and make smooth, precise movements to position yourself exactly where you need to work.



ACCESS AND MANEUVERABILITY

These models offer ideal up and over reach in confined work spaces. Zero tailswing means there's no need to reposition the lift when rotating the turntable in crowded areas. And the compact size suits applications where a lower machine weight is needed.

ON-BOARD BATTERY CHARGING

The direct electric, 48V drive system provides outstanding battery life between charges. For overnight charging, an on-board 25 amp AC charger comes standard on each unit.



DC MODELS AVAILABLE

Z™-34/22 DC

Z™-34/22 BI-ENERGY

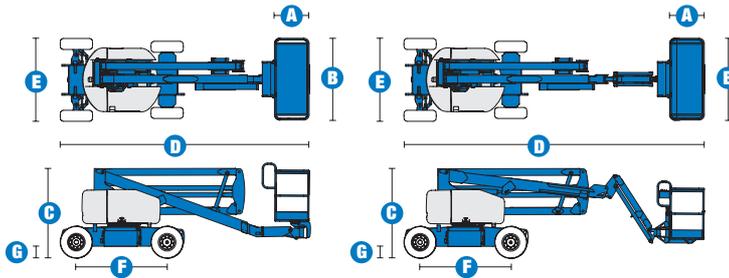
Z™-45/25 DC

Z™-45/25 BI-ENERGY

Z™-45/25J DC

Z™-45/25J BI-ENERGY

Specifications



MODELS	Z™-45/25 DC & Bi		Z™-45/25J DC & Bi	
MEASUREMENTS	US	Metric	US	Metric
Working height maximum*	51 ft 6 in	15.87 m	51 ft 8 in	15.92 m
Platform height maximum	45 ft 6 in	13.87 m	45 ft 8 in	13.92 m
Horizontal reach maximum	25 ft	7.62 m	25 ft 1 in	7.65 m
Up and over clearance maximum	23 ft 1 in	7.04 m	22 ft 1 in	6.73 m
A Platform length	2 ft 6 in	.76 m	2 ft 6 in	.76 m
B Platform width	6 ft	1.83 m	6 ft	1.83 m
C Height - stowed	6 ft 7 in	2.00 m	6 ft 7 in	2.00 m
D Length - stowed	18 ft 3 in	5.56 m	22 ft 5 in	6.83 m
E Width	5 ft 10.3 in	1.79 m	5 ft 10.3 in	1.79 m
F Wheelbase	6 ft 8 in	2.03 m	6 ft 8 in	2.03 m
G Ground clearance - center	9.5 in	.24 m	9.5 in	.24 m

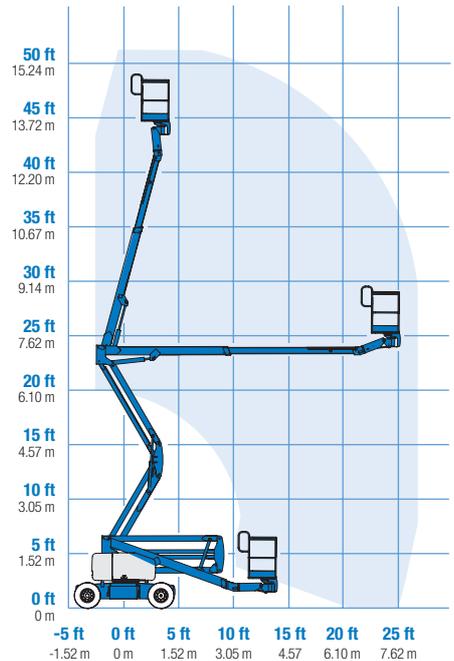
PRODUCTIVITY	Z™-45/25 DC & Bi		Z™-45/25J DC & Bi	
Lift capacity	500 lbs	227 kg	500 lbs	227 kg
Platform rotation	180°		160°	
Vertical jib rotation	—		135°	
Turntable rotation	355° non-continuous		355° non-continuous	
Turntable tailswing	zero		zero	
Drive speed - stowed	3.0 mph	4.8 km/h	3.0 mph	4.8 km/h
Drive speed - raised**	0.68 mph	1.1 km/h	0.68 mph	1.1 km/h
Gradeability - stowed***	30%		30%	
Turning radius - inside	6 ft	1.83 m	6 ft	1.83 m
Turning radius - outside	14 ft	4.26 m	14 ft	4.26 m
Controls	24V DC proportional		24V DC proportional	
Tires	9 x 14.5 in (foam-filled)		9 x 14.5 in (foam-filled)	

POWER	Z™-45/25 DC & Bi		Z™-45/25J DC & Bi	
Power source - DC	48V DC (eight 6 V batteries, 350 Ah capacity)			
Power source - Bi-Energy	48V DC (eight 6 V batteries, 350 Ah capacity) with Kubota 12 hp (8.9 kW) diesel driven alternator			
Auxiliary power unit	24V DC		24V DC	
Hydraulic tank capacity	8 gal	30.3 L	8 gal	30.3 L
Fuel tank capacity	9 gal	34.1 L	9 gal	34.1 L

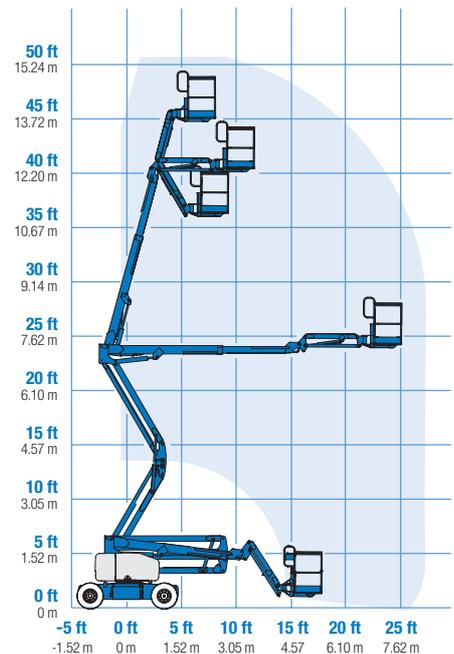
WEIGHT****	Z™-45/25 DC & Bi		Z™-45/25J DC & Bi	
DC	15,350 lbs	6,963 kg	16,300	7,394 kg
Bi-energy	15,850 lbs	7,190 kg	16,800	7,620 kg

STANDARDS COMPLIANCE ANSI A92.5, CSA B354.4, CE Compliance, AS 1418.10

RANGE OF MOTION Z™-45/25



RANGE OF MOTION Z™-45/25J



* The metric equivalent of working height adds 2 m to platform height. U.S. adds 6 ft to platform height.

** In lift mode (platform raised), the machine is designed to operate on firm, level surfaces only.

*** Gradeability applies to driving on slopes. See operator's manual for details regarding slope ratings.

**** Weight will vary depending on options and/or country standards.

Features

EASILY CONFIGURED TO MEET YOUR NEEDS

PLATFORM OPTIONS

- Steel 6 ft (1.83 m) (standard)
- Steel 4 or 5 ft (1.22 or 1.52 m)
- Steel 6 ft (1.83 m) tri-entry***

JIB OPTIONS

- Non-jib
- Articulating 5 ft (1.52 m) jib boom

POWER

- 48V DC (eight 6V 350 Ah batteries)

BATTERY CHARGING OPTIONS

- 25 Amp 48V onboard charger
- Onboard alternator powered by Kubota diesel 12 hp (8.9 kW) engine

DRIVE

- 2WD

TIRE OPTIONS

- Industrial foam-filled (standard)
- Industrial non-marking foam-filled

STANDARD FEATURES

MEASUREMENTS

Z™-45/25

- 51 ft 6 in (15.87 m) working height
- 25 ft (7.62 m) horizontal reach
- 23 ft 1 in (7.04 m) up and over clearance
- Up to 500 lb (227 kg) lift capacity

Z™-45/25J

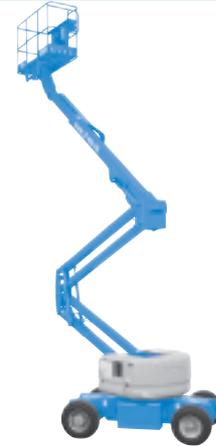
- 51 ft 8 in (15.92 m) working height
- 25 ft 1 in (7.65 m) horizontal reach
- 22 ft 1 in (6.73 m) up and over clearance
- Up to 500 lb (227 kg) lift capacity

PRODUCTIVITY

- Self-leveling platform
- Hydraulic platform rotation
- Fully proportional controls
- Thumb rocker steer
- Drive enable
- AC power to platform
- Horn
- Hour meter
- Tilt alarm
- 355° non-continuous turntable rotation
- Zero tailswing

POWER

- 48V DC deep cycle battery pack
- 24V DC auxiliary power
- Battery charge indicator-BCI (Bi-energy only)



OPTIONS & ACCESSORIES

PRODUCTIVITY

- Platform swing gate
- Half-mesh platform inserts with swing gate
- Platform top auxiliary rail
- Air line to platform
- Fire resistant hydraulic oil
- Biodegradable hydraulic oil
- Standard aircraft protection package*
- Deluxe aircraft protection package*
- Tool tray
- Fluorescent tube caddy
- Pipe cradle (pair)
- Alarm package
- Panel cradle package**
- Platform work lights
- Lockable platform control box cover
- Tow package

POWER

- EE UL583 Fire Protection rating (DC models only)
- Battery charge indicator-BCI (DC only)
- Low voltage interrupt with BCI
- Cold Weather Package (Bi-Energy only)
- Retained key selector switch
- 800 watt inverter

* Reduces platform capacity to 440 lbs (only available on Jib models)

** Requires tri-entry platform

*** Not available on CE machines

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